5
614
H2BDPH
V. 9 #12

Montana State Library
3 0864 1006 5617 5

STATE OF MONTANA

BULLETIN

OF THE

Department of Public Health

Entered as second-class matter July 10, 1914, at the Post Office at Helena, Montana, under the Act of August 24, 1912.

Vol. 9 **April, 1916.** **No. 12**

MONTANA STATE BOARD OF HEALTH.

D. J. DONOHUE, M. D., President.
W. J. BUTLER, D. V. S., Vice President.
HON. S. V. STEWART, Governor.
HON. J. B. POINDEXTER, Attorney General.
E. F. MAGINN, M. D.
S. A. COONEY, M. D.
W. F. COGSWELL, M. D., Secretary.

EMIL STARZ, Ph. D.
State Bacteriologist,

W. M. COBLEIGH,
Chemist.

F. C. SNOW, C. E.,
Consulting Sanitary Engineer.

F. J. O'DONNELL,
Special Inspector.

HELENA, MONTANA.

Published Monthly at Helena, by the State Board of Health.

"The science of disease prevention, if properly applied, can add fifteen years to the present average length of human life."—Prof. Irving Fisher, Yale.

This Bulletin will be mailed monthly to any person in Montana upon request mailed to the Secretary of the State Board of Health at Helena.

INDEPENDENT PUBLISHING CO.
HELENA, MONTANA

SPOTTED (TICK) FEVER.

Again we urge the physicians of the State to be on the lookout for spotted (tick) fever.

Up to May first there have been reported six cases of this disease, three in the Bitter Root Valley, one in Yellowstone County, near Laurel, one in Musselshell County, near Musselshell, and one in Phillips County, near Saco.

We ask the physicians to report their cases by wire, following this by a more detailed report. Dr. Fricks of the United States Public Health Service has consented to render any aid possible to the physicians in cases of a doubtful diagnosis.

HEALTH OFFICERS' MEETING.

We wish to call the attention of the Health Officers to the meeting which is to be held in Miles City on July the 10th and 11th, the two days preceding the meeting of the Montana Medical Association, which is to be held in the same city on July the 12th and 13th.

Indications point to an especially good meeting. An effort is being made to have Dr. Victor Vaughn, President of the State Board of Health of Michigan, address the Health Officers.

Health officers wishing to read papers at this meeting will please send in the title of their papers to the Secretary as soon as possible.

We apologize to the Medical Profession of Montana for the cut which appeared in our Special Bulletin No. 5, entitled, "We Must Fight—TOGETHER." We do not believe that the physician in this cut is a good composite picture of the Medical Profession in Montana.

WHOOPING COUGH.

At a meeting of the State Board of Health held April the 6th, 1916, regulation No. 28, relative to the quarantine of whooping cough, was revised to read as follows:

> "When a case of whooping cough is reported to the Local or County Health Officer, he must placard the house in which such case occurs with a card bearing the words, 'Whooping Cough Here' in letters

not less than six inches high, and he must notify occupants of such house that no person suffering from whooping cough shall be allowed to attend school, church or other public gatherings, for a period of at least thirty days from the beginning of the disease, or as much longer period as may be deemed necessary by the Local or County Health Officer, nor shall such a person be allowed to enter a railway car or other public conveyance until such time as the Local, County or State Health Officer shall determine that the case is no longer capable of transmitting the disease."

COMMUNICABLE DISEASES REPORTED TO THE STATE BOARD OF HEALTH FOR THE MONTH OF MARCH, 1916.

Smallpox—Great Falls, 1; Custer, 4; Fergus, 2; Gallatin (Excl. of Bozeman), 3; Hill, 3; Meagher, 3; Silver Bow (Excl. of Butte), 4; Butte, 6; Valley, 3; Yellowstone (Excl. of Billings), 1. Total, 30. Total last month, 36.

Diphtheria—Cascade (Excl. of Great Falls), 1; Dawson, 2; Anaconda, 2; Flathead (Excl. of Kalispell), 2; Madison, 1; Missoula City, 1; Musselshell, 1; Butte, 5; Stillwater, 1. Total, 16. Total last month, 4.

Scarlet Fever—Beaverhead, 1; Blaine, 2; Great Falls, 2; Fergus, 2; Flathead (Excl. of Kalispell), 4; Jefferson, 1; Helena, 1; Meagher, 1; Missoula City, 1; Musselshell, 2; Richland, 2; Sanders, 1; Butte, 1; Yellowstone (Excl. of Billings), 8; Billings, 1. Total, 30. Total last month, 49.

Tyhpoid Fever—Blaine, 3; Great Falls, 3; Chouteau, 4; Dawson, 2; Anaconda, 1; Flathead (Excl. of Kalispell), 1; Helena, 1; Yellowstone (Excl. of Billings), 3. Total, 18. Total last month, 43.

Measles—Cascade (Excl. of Gt. Falls), 1; Gt. Falls3; Chouteau, 4; Custer, 115; Fallon, 1; Dawson, 1; Fergus, 12; Flathead (Excl. of Kalispell), 12; Bozeman, 1; Hill, 5; Jefferson, 1; Madison, 1; Meagher, 28; Musselshell, 1; Sheridan, 5; Silver Bow (Excl. of Butte), 65; Butte, 401; Stillwater, 2; Valley, 4; Yellowstone (Excl. of Billings), 31; Billings, 79. Total, 773. Total last month, 242.

Cerebo Spinal Meningitis—Sweet Grass, 1. Total, 1. To-

tal last month, 1.

Spotted (Tick) Fever—Missoula Co., 1; Musselshell, 1; Ravalli, 1. Total, 3. Total last month, 0.

Tuberculosis—Great Falls, 3; Custer, 2; Dawson, 1; Missoula City, 1; Park (Excl. of Livingston) 1; Rosebud, 1; Sanders, 3; Sweet Grass, 1. Total, 13. Total last month, 27.

Whooping Cough—Helena, 3; Meagher, 2; Livingston, 2; Butte, 12; Stillwater, 7; Yellowstone (Excl. of Billings), 1; Billings, 3. Total, 30. Total last month, 17.

Anterior Poliomyelitis—No cases reported. Last month, none.

Trachoma—No cases reported. Last month none.

Chickenpox—Flathead (Excl. of Kalispell), 1; Jefferson, 2; Helena, 1; Silver Bow (Excl. of Butte), 2; Teton, 3; Wibaux, 1; Yellowstone (Excl. of Billings), 1. Total 11. Total last month, 0.

DEATHS (EXCL. OF STILLBIRTHS) REPORTED TO THE STATE BOARD OF HEALTH FOR THE MONTH OF MARCH, 1916, ARRANGED ACCORDING TO COUNTIES AND PRINCIPAL CITIES.

	Spotted Fever	Small Pox	Tuberculosis	Diphtheria	Scarlet Fever	Measles	Typhoid Fever	Meningitis	Anterior Poliomyelitis	Whooping Cough	Pneumonia	Nephritis	Organic Heart Disease	Malignant Tumors	Acute Intestinal Diseases	Violence	Suicide	Alcoholism	All Other Causes	Totals
Beaverhead											2						1		1	4
Big Horn											1		1							2
Blaine			1										2			1			4	8
Broadwater																				
Carbon			1								1	1	1			2			8	14
Cascade Excl. of											1			1		1		1	4	8
Great Falls			3				1				6	1	2		1				5	19
Chouteau											1	1	1	3					4	10
Custer			1									1		1		2			2	7
Dawson			1								2								6	9
Deer Lodge Excl. of			1										1			1			9	12
Anaconda			1					1		1	3		1	3		1			2	
Anaconda			1					1		1	3		1			2			7	16
Fallon																			2	2
Fergus			2					1			2	1	2	1	1	1			6	17
Flathead Excl. of											2	1	2			1	1		3	10
Kalispell			1																2	3
Gallatin Excl. of											2		1	2					1	6
Bozeman											2		1						4	7
Granite											1			1					1	3
Hill												2	2		1	3		1	4	13
Jefferson													2	2		2		1	3	10
Lewis and Clark Excl. of											1	2	1			1			2	7
Helena										1	2	2	4	1	1	1		1	10	23
Lincoln			1								3									4
Madison											2		2						5	9
Meagher			1		1								1						1	4
Mineral																				
Missoula Excl. of			1										1	1	1	2	2		4	12
Missoula City	1		2					1					1	1			1		7	14
Musselshell			2	1											2	2			5	12
Park Excl. of												1	1					1	1	4
Livingston											1		2	1		1			3	8
Phillips			1								1	1				1			2	7
Powell														1		2			3	6
Prairie																				
Ravalli			2								2	1							4	9
Richland								1			1			2		2				6
Rosebud			1										1			1				3
Sanders			3																2	5
Sheridan											4		3				1		8	16
Silver Bow Excl. of			5			1				1	3	1	2				2		4	19
Butte			10		1			1			7	5	13	2	1	6	2	3	22	73
Stillwater				1							1								1	3
Sweet Grass			2					1						2	1				3	9
Teton													1			1			1	3
Toole																				
Valley											1	2				1		1	1	6
Wibaux																2			1	3
Yellowstone Excl. of								2			1		1			2			6	12
Billings			3								3		1	1		2	1		6	17
Totals	1		47	2	2	1	1	8		3	59	23	54	23	9	43	11	9	178	474

Estimated Population 420,000
Monthly Death Rate per 1,000 Population 1.12
Annual Death Rate per 1,000 Population 13.44

BIRTHS (EXCL. OF STILLBIRTHS) REPORTED TO THE STATE BOARD OF HEALTH FOR THE MONTH OF MARCH, 1916, AND COMPARATIVE BIRTH AND DEATH RECORD IN THE STATE.

	Males	Females	Totals	Deaths	Excess of Births	Excess of Deaths
Beaverhead	5	8	13	4	9	....
Big Horn	2	....	2	2	....	....
Blaine	12	5	17	8	9	....
Broadwater	2	2	4	....	4	....
Carbon	16	16	32	14	18	....
Cascade Excl. of	3	13	16	8	8	....
Great Falls	37	33	70	19	51	....
Chouteau	8	11	19	10	9	....
Custer	13	9	22	7	15	....
Dawson	12	14	26	9	17	....
Deer Lodge Excl. of	1	1	2	12	....	10
Anaconda	23	18	41	16	25	....
Fallon	17	15	32	2	30	....
Fergus	33	27	60	17	43	....
Flathead Excl. of	15	7	22	10	12	....
Kalispell	2	10	12	3	9	....
Gallatin Excl. of	12	13	25	6	19	....
Bozeman	8	9	17	7	10	....
Granite	3	2	5	3	2	....
Hill	12	21	33	13	20	....
Jefferson	1	3	4	10	....	6
Lewis and Clark Excl. of	8	4	12	7	5	....
Helena	13	11	24	23	1	....
Lincoln	7	5	12	4	8	....
Madison	7	5	12	9	3	....
Meagher	10	7	17	4	13	....
Mineral	....	....	....	....	....	....
Missoula Excl. of	8	4	12	12	....	....
Missoula City	12	15	27	14	13	....
Musselshell	16	14	30	12	18	....
Park Excl. of	6	6	12	4	8	....
Livingston	9	8	17	8	9	....
Phillips	8	8	16	7	9	....
Powell	4	4	8	6	2	....
Prairie	4	3	7	....	7	....
Ravalli	12	9	21	9	12	....
Richland	8	11	19	6	13	....
Rosebud	10	4	14	3	11	....
Sanders	5	1	6	5	1	....
Sheridan	25	22	47	16	31	....
Silver Bow Excl. of	16	14	30	19	11	....
Butte	55	53	108	73	35	....
Stillwater	5	4	9	3	6	....
Sweet Grass	4	8	12	9	3	....
Teton	7	12	19	3	16	....
Toole	4	4	8	....	8	....
Valley	14	11	25	6	19	....
Wibaux	4	5	9	3	6	....
Yellowstone Excl. of	17	12	29	12	17	....
Billings	13	18	31	17	14	....
Totals	548	519	1067	474	609	16

Stillbirths 43

MONTANA STATE BOARD OF HEALTH.

Food and Water Laboratory.

Office of the Chemist.

Summary of samples analyzed.

	Passed	Not Passed	Total
Water			31
Milk	15	4	19
Butter	1		1
Cod Fish			1
Salmon			1
Bread		1	1
Molasses		1	1
Bologna	1		1
Meat Pickle	1		1
Tr. Iodine	10	13	23
Lime Water	17	5	22
Fowler's Solution	7	5	12
Sweet Oil		1	1
Patent Medicine	1		1
Total	53	30	116

Thirty-one samples of water were sent to this laboratory for chemical and bacteriological analysis. These samples were analyzed in the chemical and bacteriological laboratories respectively. The samples were collected from the following places: Alberton, Bozeman, Big Timber, Bonner, Butte, Deer Lodge, Harlowton, Highwood, Manhattan, Missoula, Roundup, and Three Forks.

Eighty-five miscellaneous food and drug samples were analyzed in accordance with the tabulation above. Of this number fifty-three were passed and thirty not passed.

WATER COMPANY REQUIRED TO SUPPLY PURE WATER.

A Water Company Restrained by the Courts from Collecting Water Rates for a Period During Which the Water Was Unwholesome.

The Pennsylvania Supreme Court has decided that under the laws of Pennsylvania users of water cannot be required to pay for water furnished for domestic use which is impure and unwholesome. The court quoted the following from a former opinion:

> It is inequitable that a corporation chartered to serve a "'public use" and actually undertaking to serve the public with one of the necessities of life should be allowed to collect the price of a supply of good water from those to whom it delivers an article that cannot be used. * * * The remedy is to order the company to render better service, and to suspend its rights to collect rents until water is furnished that can be used with reasonable safety to its customers.

Public Health Reports, March 31, 1916.

HELENA PUBLIC LIBRARY
HELENA, MONT.